# NAS Enterprise Architecture Service Description Framework
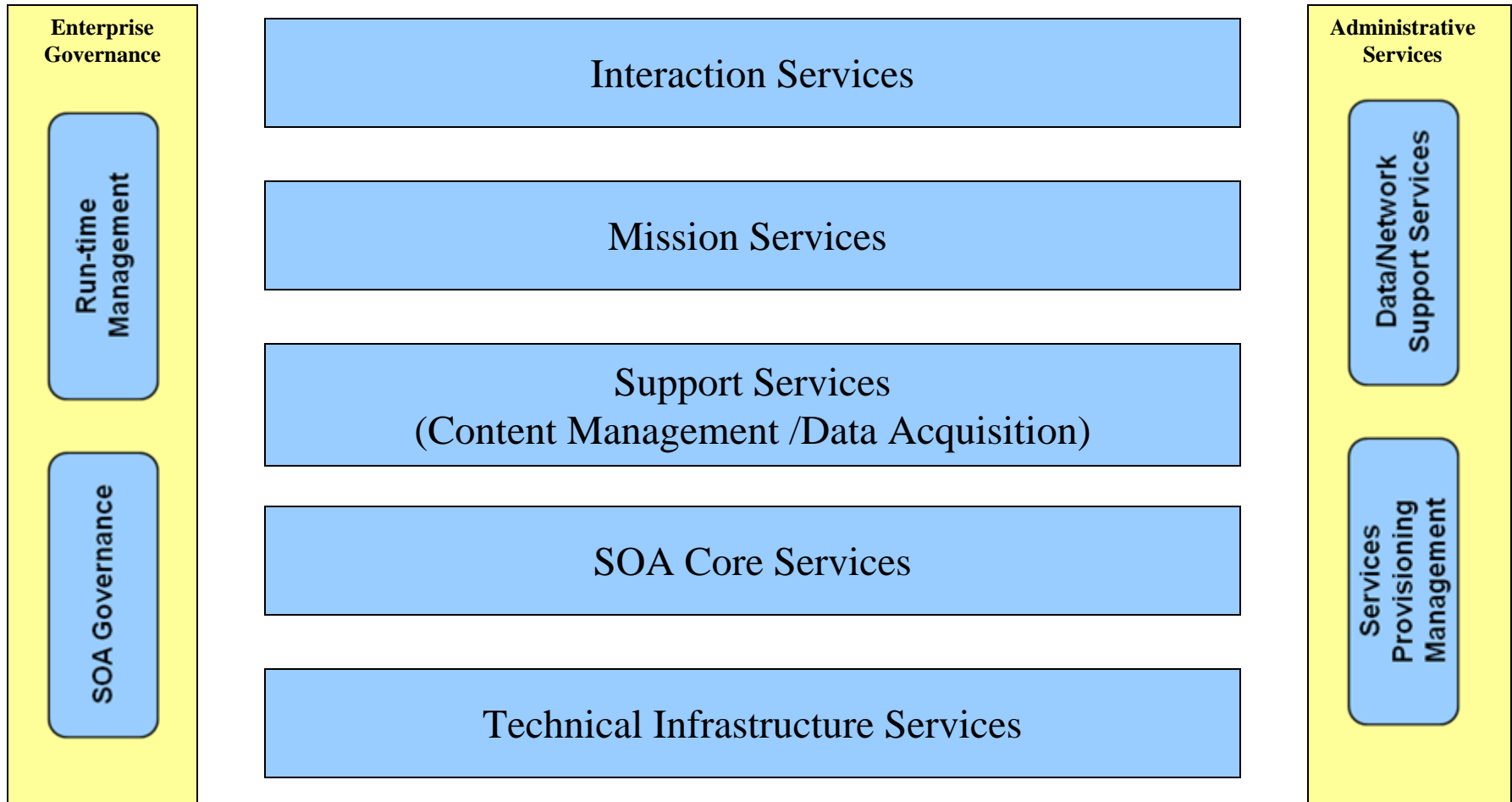
Draft

03-30-2009

Version 2.05

# Simplified NextGen NAS SV-4 Framework

**Enterprise Governance**

- Run-time Management
- SOA Governance

**Interaction Services**

**Mission Services**

**Support Services**
**(Content Management /Data Acquisition)**

**SOA Core Services**

**Technical Infrastructure Services**

**Administrative Services**

- Data/Network Support Services
- Services Provisioning Management

# NextGen NAS SV-4 Framework

## Enterprise Governance

### Run-time Management

- Security Policy Management
- Security Auditing
- Service Policy Management
- Service SLA Auditing
- Business Continuity Management
- Run-time Management Support

### SOA Governance

- Strategic SOA Governance
- Service Design-Time Governance
- Runtime and Operational Governance
- SOA Governance Service Desk Support

## Interaction Services

### Presentation

- Browser
- Client
- Portal
- Admin Portal

### Notifications and Alerts

- Weather Notification
- Flow Constraint Notification
- Other Mission Notification

## Mission Services

- Separation Management
- Trajectory Management
- Flight & State Data Management
- Flow Contingency Management
- Short Term Capacity Management
- Long Term Capacity Management
- System and Services Analysis
- System and Services Management
- Aeronautical Information Management
- Weather Information Management
- Surveillance Information Management
- Navigation Support
- Safety Management

## Support Services

### Content Management Services

- Content Discovery
- Weather Data Management
- Aeronautical Data Management
- Flight Data Management
- Flow Data Management

### Data Acquisition Services

- Weather Data Acquisition
- Surveillance Data Acquisition
- Maintenance Data Acquisition

## SOA Core Services

### Messaging Services

- Publish/Subscribe Request/Response
- Reliable Messaging
- Message Integrity
- Message Confidentiality
- Message Routing
- Mediation
- Message Transport

### Enterprise Services Management

- SLA Compliance
- Status/Usage/Performance Collection & Logging
- Fault Reporting

### Interface Management

- Service Discovery
- Service Adaptation

### Security Services

- Data Access Management
- Security Monitoring
- Security Policy Enforcement

### Collaboration Services

- Instant Messaging
- White Board

## Technical Infrastructure Services

- Boundary Protection
- Transport-level Protection
- .NET SOA Platforms
- Java SOA Platforms
- Data Storage
- Computing Platform
- Terrestrial Network / WAN Communication
- Data Comm.

## Administrative Services

### Data/Network Support Services

- Database Admin Services
- Network Admin Services
- Directory Services
- LDAP Services
- Identity Management
- Service Desk Support

### Services Provisioning Management

- Services Diagnostics
- Services Testing
- Services Provisioning
- Services Auditing
- Service Management Support

- Training Support